AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A <u>computer-readable recording</u> medium having a data structure for managing reproduction of at least multiple reproduction path video data recorded on the <u>computer-readable recording</u> medium, comprising:

one or more management areas storing path change information, the path change information indicating where changes in reproducing at least one of the reproduction paths of video data are permitted[[.]], the one or more management areas being separate from a data area storing the video data; and

wherein the path change information includes at least one entry point map associated with each reproduction path, each entry point map identifying entry points in the video data for the associated reproduction path including at least one flag, each flag associated with an entry point and identifying whether a change in reproduction path is permitted in relation to the entry point.

- 2. (Canceled)
- 3. (Currently Amended) The recording computer-readable medium of claim 1, wherein flags permitting a change in a same associated reproduction path define one or more units of video data.
- 4. (Currently Amended) The recording computer-readable medium of claim 3, further comprising:

a data area having at least the video data recorded therein, and at least a portion of the video data being multiplexed on a unit of video data basis.

5.	(Currently Amended) The recording computer-readable medium of claim 4, wherein the
reproduction paths of video data are different camera angles of video data.	
6.	(Currently Amended) The recording computer-readable medium of claim 3, wherein each
unit of video data starts with an I-picture.	
7.	(Currently Amended) The recording computer-readable medium of claim 3, wherein each
unit of video data starts with a closed group of pictures (GOP).	
8.	(Canceled)
9.	(Canceled)
10.	(Canceled)
11.	(Canceled)
12.	(Canceled)
13.	(Canceled)
14.	(Canceled)
15.	(Currently Amended) The recording computer-readable medium of claim 38, wherein the
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entry point maps are aligned in time.

- 16. (Currently Amended) The recording computer-readable medium of claim 38, wherein an active flag associated with an entry point indicates that changing reproduction paths is permitted after reproducing the entry point having the associated active flag.
- 17. (Currently Amended) The recording computer-readable medium of claim <u>38</u>, wherein an active flag associated with an entry point indicates that changing reproduction paths is permitted before reproducing the entry point having the associated active flag.
- 18. (Currently Amended) A method of recording a data structure for managing reproduction of at least multiple reproduction path video data on a recording medium, comprising:

recording path change information in one or more management areas of the recording medium, the path change information indicating where changes in reproducing at least one of the reproduction paths of video data are permitted[[.]], the one or more management areas being separate from a data area storing the video data; and

wherein the path change information includes at least one entry point map associated with each reproduction path, entry point map identifying entry points in the video data for the associated reproduction path and including at least one flag, each flag associated with an entry point and identifying whether a change in reproduction path is permitted in relation to the entry point.

19. (Currently Amended) A method of reproducing a data structure for managing reproduction of at least multiple reproduction path video data recorded on a recording medium, comprising:

reproducing path change information from one or more management areas of the recording medium, the path change information indicating where changes in reproducing at least one of the reproduction paths of video data are permitted[[.]], the one or more management areas being separate from a data area storing the video data; and

wherein the path change information includes at least one entry point map associated with each reproduction path, each entry point map identifying entry points in the video data for the associated reproduction path and including at least one flag, each flag associated with an entry point and identifying whether a change in reproduction path is permitted in relation to the entry point.

20. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least multiple reproduction path video data on a recording medium, comprising:

a driver for driving an optical recording device configured to record data on the recording medium;

and a controller for controlling the driver configured to control the optical recording device to record the encoded multiple reproduction path video data on the recording medium, the controller for controlling the driver configured to control the optical recording device to record path change information in one or more management areas of the recording medium, the path change information indicating where changes in reproducing at least one of the reproduction paths of video data are permitted[[.]], the one or more management areas being separate from a data area storing the video data; and

wherein the path change information includes at least one entry point map associated with each reproduction path, each entry point map identifying entry points in the video data for the associated reproduction path and including at least one flag, each flag associated with an entry point and identifying whether a change in reproduction path is permitted in relation to the entry point.

21. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of at least multiple reproduction path video data recorded on a recording medium, comprising:

a driver for driving an optical reproducing device configured to reproduce data recorded on the recording medium;

a controller for controlling the driver configured to control the optical reproducing device to reproduce path change information from one or more management areas of the recording medium, the path change information indicating where changes in reproducing at least one of the reproduction paths of video data are permitted[[.]], the one or more management areas being separate from a data area storing the video data; and

wherein the path change information includes at least one entry point map associated with each reproduction path, each entry point map identifying entry points in the video data for the associated reproduction path and including at least one flag, each flag associated with an entry point and identifying whether a change in reproduction path is permitted in relation to the entry point.

- 22. (New) The method of claim 18, wherein flags permitting a change in a same associated reproduction path define one or more units of video data.
- 23. (New) The method of claim 22, wherein at least one portion of the video data is recorded in a data area with being multiplexed on a unit of video data basis.
- 24. (New) The method of claim 23, wherein the reproduction paths of a video are different camera angles of video data.

- 25. (New) The method of claim 19, wherein flags permitting a change in a same associated reproduction path define one or more units of video data.
- 26. (New) The method of claim 25, wherein at least a portion of the video data is recorded in a data area with being multiplexed on a unit of video data basis.
- 27. (New) The method of claim 26, wherein the reproduction paths of video data are different camera angles of video data.
- 28. (New) The apparatus of claim 20, wherein flags permitting a change in a same associated reproduction path define one or more units of video data.
- 29. (New) The apparatus of claim 20, wherein an active flag associated with an entry point indicates that changing reproduction paths is permitted after reproducing the entry point having the associated active flag.
- 30. (New) The apparatus of claim 21, wherein flags permitting change in a same associated reproduction path define one or more units of video data.
- 31. (New) The apparatus of claim 21, wherein an active flag associated with an entry point indicates that changing reproduction paths is permitted after reproducing the entry point having the associated active flag.